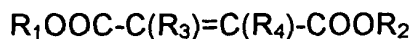


WHAT IS CLAIMED IS:

1. A process for the preparation of a polyaspartate comprising:
- 5 A) transesterifying i) an α,β -unsaturated ester of the formula:
- $$R_1OOC-C(R_3)=C(R_4)-COOR_2$$
- 10 where R_1 and R_2 may be identical or different and represent organic groups which are inert towards isocyanate groups at 100°C or less, and R_3 and R_4 may be identical or different and represent hydrogen or organic groups which are inert towards isocyanate groups at 100°C or less,
- 15 with ii) an hydroxyl functional material containing n hydroxyl groups per molecule and having a number average molecular weight of from about 62 to about 3000,
- 20 at a molar ratio of from n moles of ester per mole of n -hydroxy functional material to $n+8$ moles of ester per mole of n -hydroxy functional material where n represents number of hydroxy groups in said hydroxy functional material and is a number of from 2 to 8,
- 25 B) reacting the resultant product with a compound containing one or more primary amine groups in an amount of at least one mole of amine compound per α,β -unsaturated ester group, and
- 30 C) reacting any remaining primary amine groups with an unsaturated ester of the formula:



where R_1 , R_2 , R_3 and R_4 are as defined above.

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2. The process of Claim 1, wherein R_1 and R_2 represent alkyl groups containing 1 to 9 carbon atoms.

3. The process of Claim 1, wherein R_3 and R_4 represent
10 hydrogen.

4. The process of Claim 1, wherein said molar ratio is from n moles of ester per mole of n -hydroxy functional material to $n+4$ moles of ester per mole of n -hydroxy functional material.

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5. The process of Claim 4, wherein said molar ratio is from n moles of ester per mole of n -hydroxy functional material.

6. The process of Claim 1, wherein the transesterification is
20 conducted at a temperature of from about 50 to about 300°C.

7. The process of Claim 1, wherein said compound containing primary amine groups is selected from the group consisting of 1-amino-3-aminomethyl-3,5,5-trimethyl-cyclohexane, bis-(4-aminocyclo-hexyl)-
25 methane, bis-(4-amino-3-methylcyclohexyl)-methane, 1,6-diamino-hexane, 2-methyl pentamethylene diamine and ethylene diamine.

8. The process of Claim 1, wherein said amount in step B) is from at least one mole of amine compound per α,β -unsaturated ester
30 group up to 5 moles of amine compound per α,β -unsaturated ester group.

9. The product of the process of Claim 1.
10. A coating composition comprising:
 - a) a polyisocyanate component and
 - b) an isocyanate-reactive component containing
 - b1) the aspartate of Claim 1 and
 - b2) optionally other isocyanate-reactive components.